


| Form PTO-1449 Substitute                                                                                                                                                                                                                                                                                                                                                                                         |                       | U.S. Department of Commerce<br>Patent and Trademark Office                                                                                                                                                                                                     |  | Application Number   | 10/551,162            |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|-----------------------|----------------|
| <b>INFORMATION DISCLOSURE STATEMENT</b><br>(Use several sheets if necessary)                                                                                                                                                                                                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                |  | Filing Date          | March 29, 2004        |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                                                                |  | First Named Inventor | Stan Gronthos et al.  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                                                                |  | Art Unit             | 1644                  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                                                                |  | Examiner Name        | Michail A. Belyavskyi |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                                                                |  | Attorney Docket No.  | 75190/JPW/BJA/LM      |                |
| <br><b>NON PATENT LITERATURE DOCUMENTS</b>                                                                                                                                                                                                                                                                                      |                       |                                                                                                                                                                                                                                                                |  |                      |                       |                |
| Examiner Initials*                                                                                                                                                                                                                                                                                                                                                                                               | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |                      |                       | T <sup>2</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                     | Barry, F. P. (2003) "Biology and Clinical Applications of Mesenchymal Stem Cells." Birth Defect Research(Part C) 69:250-256.                                                                                                                                   |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                     | Chopp, M. and Li, Y. (2002) "Treatment of Neural Injury with Marrow Stromal Cells." The Lancet Neurology 1:92-100.                                                                                                                                             |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                     | Dennis JE, et al. (2002), "The STRO-1+ Marrow Cell Population is Multipotential." Cells Tissues Organs, 170:73-82.                                                                                                                                             |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                     | Greenberger, J. and Keating, A. (1996) "The Hematopoietic Effects Microenvironment." Keystone Symposium, Taos, New Mexico14:366-367.                                                                                                                           |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                     | Hoerstrup SP et al. (2002), "Tissue Engineering of Functional Trileaflet Heart Valves From Human Marrow Stromal Cells." Circulation 106(Suppl):I-143-I-150.                                                                                                    |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                     | Kassem, M. (2004) "Mesenchymal Stem Cells: Biological Characteristics and Potential Clinical Applications." Cloning Stem Cells 6:369-374.                                                                                                                      |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                     | Le Blanc, K. and Ringden, O. (2005) "Immunobiology of Human Mesenchymal Stem Cells and Future Use in Hematopoietic Stem Cell Transportation." Biology of Blood and Marrow Transplantation 11:321-334.                                                          |  |                      |                       |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                     | Murray et al. (1996) "Fetal Bone Marrow CD34 <sup>+</sup> CD41 <sup>+</sup> Cells are Enriched for Multipotent Hematopoietic Progenitors, but not for Pluripotent Stem Cells." Exp. Hematol. 24:236-245.                                                       |  |                      |                       |                |
| EXAMINER SIGNATURE                                                                                                                                                                                                                                                                                                                                                                                               |                       | DATE CONSIDERED                                                                                                                                                                                                                                                |  |                      |                       |                |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a checkmark here if English language Translation is attached. |                       |                                                                                                                                                                                                                                                                |  |                      |                       |                |

Applicant: Stan Gronthos et al.  
 Serial No.: 10/551,162  
 Filed: March 29, 2004  
 Exhibit A

|                                                                                                                                                                                             |                             |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|
| <b>Form PTO-1449</b><br><b>U.S. Department of Commerce</b><br><b>Patent and Trademark Office</b><br><br><b>INFORMATION DISCLOSURE STATEMENT</b><br><b>(Use several sheets if necessary)</b> | <b>Application Number</b>   | 10/551,162            |
|                                                                                                                                                                                             | <b>Filing Date</b>          | March 29, 2004        |
|                                                                                                                                                                                             | <b>First Named Inventor</b> | Stan Gronthos et al.  |
|                                                                                                                                                                                             | <b>Art Unit</b>             | 1644                  |
|                                                                                                                                                                                             | <b>Examiner Name</b>        | Michail A. Belyavskyi |
|                                                                                                                                                                                             | <b>Attorney Docket No.</b>  | 75190/JPW/BJA/LM      |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                    | 9                     | Summer, R. and Fine, A. (2008) "Mesenchymal Progenitor Limitations and Recommendations." Proc.Am, Thorac. Soc 5:707-710.                                                                                                                                       |                |
|                    | 10                    | November 13, 2007 Restriction Requirement issued in connection with U.S. Serial No. 11/169,875.                                                                                                                                                                |                |
|                    | 11                    | October 16, 2008 Office Action issued in connection with U.S. Serial No. 10/955,709.                                                                                                                                                                           |                |
|                    | 12                    | November 13, 2008 Office Action issued in connection with U.S. Serial No. 10/551,326.                                                                                                                                                                          |                |
|                    | 13                    | November 17, 2008 Office Action issued in connection with U.S. Serial No. 11/326,736.                                                                                                                                                                          |                |
|                    | 14                    | November 26, 2008 Office Action issued in connection with U.S. Serial No. 11/169,875.                                                                                                                                                                          |                |
|                    | 15                    | Finney, M.R. et al. (2006) "Direct Comparison of Umbilical Cord Blood versus Bone Marrow-Derived Endothelial Precursor Cells in mediating Neovascularization in Response to Vascular Ischemia." Biol. Blood and Marrow Transplant. 12:585-593.                 |                |
|                    |                       |                                                                                                                                                                                                                                                                |                |
|                    |                       |                                                                                                                                                                                                                                                                |                |
|                    |                       |                                                                                                                                                                                                                                                                |                |

**EXAMINER  
SIGNATURE**

**DATE CONSIDERED**

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional) <sup>2</sup>Applicant is to place a checkmark here if English language Translation is attached.